Attorney Docket No. 10541-281

## Amendments to the Claims

(Previously Presented): A method for constructing an Iluminating and reflecting apparatus, said method comprising the steps of:

providing a layered metal substrate with an aluminum netal layer positioned between a first and a second copper layer;

removing a defined area of said at least one copper layer to form a reflective portion within said area; and

providing a localized light source positioned to allow light to reflect off of said reflective portion.

- (Previously Presented): The method of claim 1, further comprising the step of removing an area of said aluminum metal layer such that a non-planar surface is formed in said aluminum metal layer.
- (Original): The method of claim 2, further comprising the step of removing a defined area of at least one copper layer such that an opening is defined in said layered metal substrate.
- (Original): The method of claim 3, further comprising the step of coating said reflective portion with a substance to provide specific reflectivity levels.
- 5. (Original): The method of claim 3, further comprising the step of providing a transparent substrate positioned on sald first copper layer.
- (Original): The method of claim 3, further comprising the step of providing a reflective substrate positioned on said second copper layer.



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7. (Previously Presented): A method for forming a reflective aperture in a circuit board for providing illumination in automotive applications, said method comprising the steps of:

providing a layered metal substrate having a top me al layer, a middle metal layer, and a bottom metal layer;

removing at least a top metal layer of said layered metal substrate to form a reflective area; and

providing a localized light source positioned so as to allow light to reflect off of said reflective area.

- (Previously Presented): The method of claim 7, further comprising the step of defining a non-planar aperture in the middle metal layer of said layered metal substrate.
- (Previously Presented): The method of claim 8, further comprising the step of defining an aperture in the bottom metal layer of said layered metal substrate aligned with said non-planar aperture in said middle layer.
- 10. (Previously Presented): A method for forming a reflective aperture in a circuit board for providing illumination in automotive applications, said method comprising the steps of:

providing a layered metal substrate having a top meral layer, a middle metal layer, and a bottom metal layer;

applying a layer of masking material on a surface of a top metal layer of said layered metal substrate:

exposing said layered metal substrate to an etching process;

removing said masking material from said top metal layer of said layered metal substrate to expose reflective areas of said layered metal substrate; and



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providing a localized light source positioned so as to allow light to reflect off of said reflective area.

- 11. (Previously Presented): The method of claim 10, further comprising the steps of:
- applying a layer of masking material on a surface of an aluminum metal layer;
- exposing said layered metal substrate to an aluminum etching process; and

removing said masking material from said aluminum metal layer.

- 12. (Previously Presented): The method of claim 10, further comprising the step of defining a non-planar aperture in the middle metal layer of said layered metal substrate.
- 13. (Previously Presented): The method of claim 12, further comprising the step of defining an aperture in a bottom layer of said layered metal substrate aligned with said non-planar aperture in said middle metal layer.
  - 14. (Previously Presented): A reflective circuit board comprising:
- a substrate comprised of a aluminum metal layer positioned between two layers of copper;
  - at least one exposed area of reflective aluminum; and
- a localized light source positioned to provide illumination of said exposed aluminum.
- 15. (Previously Presented): The reflective circuit board of claim 14, further comprising a non-planar aperture defined in sald aluminum meral layer.
- 16. (Original): The reflective circuit board of claim 15, further comprising an aperture defined through all of said layers of said substrate.

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- 17. (Previously Presented): The reflective circuit board of claim 15. further comprising a reflective coating on said non-planar surfaces of said aluminum metal layer.
- 18. (Original): The reflective circuit board of claim 16. wherein said localized light source is substantially aligned with said aperture.
- 19. (Original): The reflective circuit board of claim 18, further comprising a layer of reflective substrate over said aperture opposite said localized light source.
- 20. (Previously Presented): The reflective circuit board of claim 14. further comprising a layer of transparent substrate over said at least one layer of exposed area of reflective aluminum.
- 21. (Previously Presented): The method of claim 1, further comprising the step of removing an area of said aluminum metal laver such that a non-planar surface is formed in said aluminum metal layer, after removing the def ned area.
- 22. (Previously Presented): The method of claim 7, further comprising the step of defining a non-planar aperture in the middle metal laver of said layered metal substrate, after removing the at least top metal layer.
- 23. (Previously Presented): The method of claim 10 further comprising the step of defining a non-planar aperture in the at least one layer of said lavered metal substrate, after exposing said lavered metal substrate to an etching process.
- 24. (New): The method according to claim 8, further comprising the step of providing a reflective coating on said non-planar aperture.

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25. (New): The method according to claim 12, further comprising the step of providing a reflective coating on said non-planar aperture.

